

GRISHCHENKO, K.M. [Hryshchenko, K.M.], kand.med.nauk; DUBROVSKAYA, K.I.
[Dubrova'ka, K.I.]

Penicillin aerosol in treating pulmonary abscesses in children. Ped.,
akush. i gin. 20 no.5:28-29 '58. (MIRA 13:1)

1. L'vovskiy nauchno-issledovatel'skiy institut okhrany materinstva
i detstva (direktor - I.D. Yashchuk) i Oblastnaya klinicheskaya
bol'nitsa (glavnyy vrach - I.A. Karagodin).
(PENICILLIN) (LUNGS--ABSCESS)

GRISHCHENKO, K.M. [Hryshchenko, K.M.], kand.med.nauk

Acute infectious lymphocytosis in childhood. Ped., akush. i gin. 20
no.4:24-26 '58. (MIRA 13:1)

1. L'vovskiy nauchno-issledovatel'skiy institut okhrany materinstva
i detstva (direktor - I.D. Yashchuk).
(LYMPHOCYTES)

ARNOVICH, M.P., inzh., GOLUBEV, E.A., inzh.; LEVIN, G.A., inzh.;
GERSHENKO, I.M., inzh.

Dependence of unit losses in electrical steel on the force
of compression of packs and incremental weight of lacquer
coatings. Fraga. i elektrotekh. prom. no.1:50-60 Ja-Mr'64.
(MIRA 1965)

GRISHCHENKO, I.L. inzh.; VLASOV, V.G. inzh.

Device for measuring the slippage of asynchronous motors in a wide
range. Vest. elektrom. 33 no.8:68-69 Ag '62. (MIRA 15:7)
(Electric motors, Induction-Measurements)

1
E 07033-67

ACC NR: AP6021053

acc. Standard series VAO meters were tested for the above new parameter, and their usage in atmosphere is also various objects of application (groups A, B, C, D) is recommended. Data on 15 meter type series is included. Permissible supply-voltage variation: $\pm 5 \pm 10\%$. Orig. acc. had 5 formulas and 2 tables.

SUB CODE: 09 / ¹⁰ / SUBM DATE: none / ORIG ACCT: 002

ACC NR: AP002050 (1/1) SOURCE: 00 00 00/0000/0000/0000/0000

AUTHOR: Grishchenko, I. L. (Engineer); Morgunova, I. V. (Engineer);
Pechen'-Pesenko, E. S. (Engineer)

ORG: none

TITLE: Recommendations on the uses of VAO explosionproof motors

SOURCE: Elektrotehnika, no. 3, 1966, 26-28

TOPIC TAGS: electric motor, explosionproof electric motor, explosionproof electric rotating equipment, VAO electric motor

ABSTRACT: It is suggested that series VAO, sizes 7, 7.5-36-kv explosionproof motors be used in all types of explosion-hazardous atmospheres. New regulations require that, in designing explosionproof induction motors, a new parameter — permissible duration of temperature rise under locked-rotor conditions — be introduced; this duration must be over 5, or better yet over 10

Card 1/2

UDC: 621.313.13-213.4.001.8

WISHCHENKO, I.I., prof. ; GAVRILOVA, N.S., hand.med.nark

Rural obstetrical service in Kharkov Province. Akush. i gin.
no.2:103-105'63. (MIRA 16:10)
(KHAR'KOV PROVINCE -- OBSTETRICS)

NIKOLAYEV, A.P., otv. red.; SHKOL'NIK, B.I., kand. med. nauk, red.;
 BAKSHIYEV, N.S., prof., red.; VINOGRADOVA, S.F., prof., red.;
 GRISHCHENKO, I.I., prof., red.; KORNILOVA, A.I., kand. med.
 nauk, red.; KONSTANTINOV, V.A., prof., red.; MEDYANIK, R.V.,
 red.; PAP, A.G., kand. med. nauk, red.; PETERBURGSKIY, F.Ye.,
 prof., red.; SAVITSKIY, V.N., prof., red.; STEPANKOVSKAYA,
 G.S., kand. med. nauk, red.; TIMOSHENKO, L.V., dots., red.;
 YANKELEVICH, Ye.Ya., prof., red.

[Transactions of the Third Congress of Obstetricians and
 Gynecologists of the Ukrainian S.S.R.] Trudy III s"ezda
 akusherov-ginekologov Ukrainskoi SSR. Kiev, Gosmedizdat,
 1962. 370 p. (MIRA 17:5)

1. S"yezd akusherov-ginekologov Ukrainskoy SSR. 3d, Kharkov,
 1961. 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

BINKOVSKIY, Yu.Ye., red.; GRIGORASHCHENKO, A.Ye., red.; GURCHENKO,
I.I., red.; GUTMAN, L.B., red.; KOLCHENKO, L.N., red.;
MELNIK, M.N., red.; PAVLOV, A.V., red.; PAI, A.G., red.;
CHIRKOVA, L.A., red.

[Toxoplasmosis; transactions of the scientific conferences
in Kiev, December 21 - 23, 1962, and in Vienna, April
25 - 27, 1963] Toksoplazmoz; trudy nauchnykh konferentsii,
sostoiavshikhsia v g. Kiieve 21-23 dekabria 1962 g. i v
g. Odesse 25-27 aprilia 1963 g. Izd. nauch. i med. tsentra
A.G.Pap. Kiev, (MIRA 1963.)

1. Ukrainskiy nauchno-issledovatel'skiy institut zhenskoj
materinstva i detstva im. F.M. Buyko.

GRISHCHENKO, I.I. [Hryshchenko, I.I.], prof.; STANISLAVSKAYA, N.G.
[Stanislavs'ka, N.H.], zasluzhenny vrach USSR; CHEEMIN, M.S.,
kand.med.nauk; PRIKHOD'KO, I.A. [Prykhod'ko, I.A.], ordinator
(Khar'kov)

Expediency of using present types of anesthesia in gynecological
operations. Ped., akush. i gin. 23 no.6:39-42 '61. (MIA 15:4)
(ANESTHESIA) (GYNECOLOGY)

GRISHCHENKO, I.I. [Hryshchenko, I.I.], prof., zasluzhennyy deyatel' nauki
UkrSSR

On the nomenclature of the presentation of the head. Ped., akush.
i gin. 23 no.4:52-53 '61. (MIRA 17:1)

1. Predsedatel' Khar'kovskogo obshchego nauchnogo obshchestva
akusherov-ginekologov.

LEVIN, Mark Mironovich, prof.; ZADOROZHNYI, B.A., dotsent, red.;
 BELOUSOV, V.A., prof., red.; BOKARIUS, N.N., prof., red.;
 VOROB'YEV, F.P., assistant, red.; GRISHCHENKO, I.I., prof., red.;
 DERKACH, V.S., prof., red.; KORSUN', A.Ya., dotsent, red.;
 KOSHKIN, M.L., prof., red.; KUDINTSEV, V.I., dotsent, red.;
 PIKIN, K.I., prof., red.; PRIKHOD'KOVA, Ye.K., prof., red.;
 POPOV, I.D., dotsent, red.; SOLOV'YEV, M.N., prof., red.;
 SHTEYNBERG, S.Ya., prof., red.; KHARCHENKO, N.S., prof., red.

[Repeated surgery in stomach diseases following operations]
 Povtornye operatsii pri zbolevaniakh operirovannogo zheludka.
 Khar'kov, Izd-vo Khar'kovskogo gos.univ., 1961. 177 p.
 (Kharkov. Medychnyi institut. Trudy, vol.58). (MIRA 16:2)
 (STOMACH--SURGERY)

GRISHCHENKO, I.I. [Hryshchenko, I.I.], prof., zasluzhennyi deyatel' nauki
USSR; GRISHCHENKO, V.I. [Hryshchenko, V.I.], kand.med.nauk (Khar'kov)

Prevention and treatment of toxicoses in the second half of pregnancy.
Ped., akush. i gin. 22 no.4:36-39 '60. (MIRA 14:5)
(PREGNANCY, COMPLICATIONS OF)

GRISHCHENKO, I.I. [Hryshchenko, I.I.], prof., zasluzhennyi deyatel' nauki
USSR; GRISHCHENKO, V.I. [Hryshchenko, V.I.], kand.med.nauk (Khar'kov)

Prevention and treatment of toxicoses in the second half of pregnancy.
Ped., akush. i gin. 22 no.4:36-39 '60. (MIRA 14:5)
(PREGNANCY, COMPLICATIONS OF)

GRISHCHENKO, I.I., prof. (Khar'kov)

Results of using the new diocide preparation in obstetrics and surgery.
Khim. i med. no.10:30-31 '59. (MIRA 13:2)
(SURGERY, ASEPTIC AND ANTISEPTIC) (DIOCIDE)

GRISHCHENKO, I.I. [Hryshchenko, I.I.], prof., zaslužhennyi deiatel' nauki
USSR

Report on the activities of the Kharkov Province Society of Obstetricians and Gynecologists in 1957. Ped., akush. i gin. 20 no.3: 67-68 '58.
(MIRA 13:1)

1. Predsedatel' obshchestva akusherov-ginekologov Khar'kovskoy oblasti.

(KHARKOV PROVINCE--GYNECOLOGICAL SOCIETIES)

FD-1915

USSR/Medicine - Pharmacology

Card 1/1 Pub. 38-14/18

Author : Chistyakova, N. P. [reviewed by Kudrin, A. N.]; Grishchenko, I. I. [reviewed by Mashkovskiy, M. D., Professor]

Title : Farmakologiya i retseptura, uchebnik dlya meditsinskikh sester [Pharmacology and prescriptions, a textbook for nurses] Second edition; Obezbolivaniye v rodakh [Painlessness in Births]

Periodical : Farm. i. toks., 17, 54-55 Nov/Dec 1954

Abstract : The two books listed above with their authors given in the same order, are reviewed. The reviewer of the first book describes the contents briefly and gives a favorable review. The greatest shortcoming of this book is in the part on prescriptions and individual pharmacology, where not enough information was given on the matter of filling out prescriptions. This book was published by Medgiz in Moscow, 1954. Circulation: 50,000. The other book, which was published by the Khar'kov State Scientific-Medical Library in Khar'kov, 1953, also received a favorable review. This book contains a bibliography of USSR literature on painless birth.

Institution:

Submitted :

GRISHCHENKO, I.G.

Five-year plan fulfilled in one year. Nauka i pered.op. v sel'khoz. 6 no.12:34-35 D '56. (MLRA 10:1)

1. Predsedatel' kolkhoza "Tropinka Il'icha ", Leninskogo rayona, Severo-Kazakhstanskoy oblasti.
(Kazakhstan--Grain)

BARANOV, Yu.B.; BARANOVA, Ye.N.; BOBROVSKIY, V.I.; GRISHCHENKO, G.I.;
GONCHAR, G.V.; DOLBISH, V.S.; KALINOVSKIY, V.S.; KARAKOTSKIY, Ye.D.,
KULICHKOV, G.M.; KAGANOVSKAYA, S.M.; LESTEV, A.V.; METELKIN, L.I.;
TIKHONRAVOV, V.M. [deceased]; DOLBISH, V.S., spetsred.; KUZ'MINA,
V.S., red.; KISINA, Ye.I., tekhn.red.

[Fishing equipment used in Far Eastern waters] Orudia rybolovstva
Dal'nevostochnogo Basseina. Moskva, Pishchepromizdat, 1958. 214 p.
(MIRA 11:12)

(Soviet Far East--Fishing--Equipment and supplies)

L 08207-87

ACC NR: AP6017541

put in operation on the seine-boats "Jost" and "Orizhon-Blaize" and on the trawler "Kogysk" and then examined in the laboratory. By investigating the results of experiments the author concludes that the life of impregnated nets is at least 50% longer. The life can be doubled if the impregnation process is conducted under pressure or in vacuum.

SUB CODE: 11/ SUBM DATE: None

Card 2/2 dda

L 08207-67

ACC NR: AP6017541

(A,N)

SOURCE CODE: UR/0337/66/000/001/0048/007

AUTHOR: Grishchenko, G. I. (Senior engineer)

ORG: Central Chemical Laboratory of Sakhalinrybrom (Tsentral'naya khimicheskaya laboratoriya Sakhalinrybroma)

TITLE: Impregnation of synthetic fishing-net materials with chlorinated polyvinyl chloride

SOURCE: Rybnoye khozyaystvo, no. 1, 1966, 48-50

TOPIC TAGS: fishery, synthetic material, polyvinyl chloride, polycaprolactam resin, *PROTECTIVE COATING, MARINE EQUIPMENT, SYNTHETIC FIBER*

ABSTRACT: The author describes his laboratory research and practical experiments with using chlorinated polyvinyl chloride for impregnation of fishing nets, trawls, seines and other similar fishing equipment made of synthetic polycaprolactam resin (capron). The experiments were conducted for Sakhalin Island fisheries in order to protect synthetic nets against destructive actions of water, rubbing wear and aging under the action of sun rays. The resin used for impregnation contained 65% of chlorine, was of amorphous structure, softened at a temperature of 110 to 120 C, had a density of 1.45 g/cm³ and tensile strength of 650 to 670 kg/sq cm. The preparation of the impregnation solution and its applications to various synthetic threads, cords and ropes are explained. The impregnation processes of various fishing nets are also described. The impregnated nets were

Card

1/2

USSR: 14-114

BIRYUKOV, V.V., kand. ekon. nauk; GRISHCHENKO, G.D.; ITCHINA,
R.G., red.

[Intensification is the main thing! Glavnoe - intenzi-
fikatsiia. Voronezh, Tsentral'no-Chernozernoie knizh-
noe izd-vo, 1964. 46 p. (MIAA 18:1)

1. Glavnyy agnents sel'khozstroya i kol. na 1964 god
ravleniya (for Grishchenko).

1. GRISHCHENKO, F. V.
2. USSR (600)
4. Chemistry - Study and Teaching
7. Repetition and consolidation of knowledge, Khim. v shkole, No. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

GORSHKOV, G., tekhnik (Sverdlovsk); GRISHCHENKO, E. (Aktyubinsk);
 GRANOVSKIY, L., instruktor; IVANNIKOV, A.; BERDYUGIN, V., gornyy
 inzh.; KIL'DIBEKOV, V.; GORELIK, M., inzh.; ATKOCHAYTIS, Ye.
 [Atkocaitis, E.] (Vil'nyus); CHERTILIN, V. (Bavly, Tatarskaya ASSR);
 DZHURAYEV, U. (Fergana)

Exchange of news and practice. Izobr.i rats. no.2:18-19 f '62.
 (MIRA 15:3)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya (for Gorshkov).
 2. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov remontno-mekhanicheskogo zavoda "Bol'shevik", g. Aktyubinsk (for Grishchenko).
 3. Tsentral'nyy Sovet Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Granovskiy).
 4. Predsedatel' oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Ivannikov).
 5. Vneshtatnyy konsul'tant oblastnogo konsul'tatsionnogo punkta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g. Kemerovo (for Berdyugin).
 6. Zaveduyushchiy otделom promyshlennosti gazety "Leninskiy put", g. Slobodskoy Kirovskoy obl. (for Kil'dibekov).
 7. Otdel kapital'nogo stroitel'stva predpriyatiya teplovykh setey upravleniya energetiki Soveta narodnogo khozyaystva BSSR, g. Minsk (for Gorelik).
- (Technological innovations)

GRISHCHENKO, E.M.

The blood: organ ratios of radioactivity in normal and lead-poisoned rats after the injection by methionine-³⁵S. Acta physiol. hung. 20 no.1:77-80 1961.

1. Radiotoxicological Laboratory, Institute for Labour Hygiene and Occupational Diseases Academy of Medical Sciences, Moscow USSR.
(METHIONINE metab) (LEAD POISONING metab)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900024-6

GRISHCHENKO, D.L.; NOVOSEL'TSEV, Y.F.; TEBEYANERIANIS, H.A.

Methodology of actinometric observation at sea. In: *VO*
no.152:212-221 '64. (MIRA 17:7)

TER-MARKARYANTS, N.Ye.; GRISHCHENKO, D.L.

Measurement of the radiation balance under maritime conditions.
Trudy GGO no.152:110-125 '64. (MIRA 17:7)

Григорьев, Г. Г., and Сигалов, Г. Г. (1966) - "Experimental investigations of the radiation balance of the surface layer of the sea". Unpublished, 1966. 3 pp (Main Admin of the Hydrometeorological Service of the Ministry of Defense, Main Tropical Observatory in V. G. Voznyakov), 1966 paper (IZ, No 14, 1/6, 125)

Study of Radiation Processes

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AVAILABLE: Library of Congress

Card 3/3

MM/lsh
11-3-69

Study of Radiation Processes

SOV/2548

are shown. Individual articles deal with the methodology of actinometric observations. No personalities are mentioned. References accompany each article.

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Card 2/3

3(7); 24(3)

PHASE I BOOK EXPLOITATION

SOV/2548

Leningrad. Glavnaya geofizicheskaya observatoriya

Issledovaniye radiatsionnykh protessov (Study of Radiation Processes) Leningrad, Gidrometeoizdat, 1959. 142 p. (Series: its Trudy, vyp. 80) Errata slip inserted. 1,200 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Ed. (Title page): V. L. Gayevskiy, Candidate of Geographical Sciences; Ed. (Inside book): V. D. Pisarevskaya; Tech. Ed.: A. N. Sergeyev.

PURPOSE: This book is intended for geophysicists and engineers studying radiation phenomena. 3

COVERAGE: This collection of articles treats problems in optics of the atmosphere and actinometry. Results of theoretical and experimental investigations of visibility range, transparency of the atmosphere, and the radiation regime of both the active surface and the atmosphere

Card 1/3

SMIRNOV, Anatoliy Nikolayevich, doktor biolog.nauk; KOTOV, Mikhail Ivanovich, doktor biolog.nauk; PUZANOV, Ivan Ivanovich, prof., doktor biolog.nauk; D'YAKONOV, Aleksandr Mikhaylovich [deceased]; GRISHCHENKO, Dmitriy Lukich; BRAGINSKIY, L.P., red.izd-vn; KRYLOVSKAYA, N.S., tekhn.red.

[Karadag; popular science studies] Karadag; nauchno-populiarnye ocherki. Kiev, Izd-vo Akad.nauk USSR, 1959. 107 p.

(MIRA 13:5)

(Karadag (Crimea)--Physical geography) (Black Sea--Marine fauna)
(Karadag (Crimea)--Marine laboratories)

GRISHCHENKO, D.L.

36-68-13/18

AUTHOR: Grishchenko, D.L.

TITLE: Penetration of Solar Radiation Into the Sea (O luchistoy energii solntsa, pronikayushchey v more)

PERIODICAL: Trudy Glavnoy geofizicheskoy observatori
1957, Nr 68, pp. 172-177 (USSR)

ABSTRACT: The article summarizes results of experiments in measuring the amount of solar radiation penetrating into the sea to various depths. Tests were conducted by the Karadag Actinometric Observatory in the Black Sea. The pyranometer built by Yu. D. Yanishevskiy was used for this purpose. A comparative table showing the depth of solar radiation penetration into the Black, Caspian, and White Seas is given. P.P. Koz'min and A.V. Trofimov are mentioned. There are 4 figures, 2 tables and 5 USSR references.

AVAILABLE: Library of Congress

Card 1/1

GRISHCHENKO, D. L.

"Albedo and Radiational Balance of the Sea".
Trudy Gl. geofiz. observ., No 46, pp 125-133, 1955

From May to September 1952 on the Black Sea the actinometric observatory at Kara-Dag organized observations on the albedo and radiational balance of the sea surface. Observations from a boat 1 to 2 kilometers from shore (102 series) were carried out by means of the radial small-inertia pyranometer of Yanishevskiy with Cardan suspension (as an albedometer) and by means of the Yanishevskiy effective pyranometer. The author describes the equipment of the "actinometrized" boat for observations on the open sea, that excludes the influence of swells and is represented by the author as typical. Albedo of an aqueous surface, which depends on the angle of incidence of solar rays, state of the surface, and purity of the water, fluctuates in the limits 2 to 100%. (RZhGeol, No 9, 1955)

SO: Sum No 812, 6 Feb 1956

ILLEGIBLE

GRISHCHENKO, A.Z.; BONDARENKO, G.L.

Dynamics of the regulation of the processes in the preparation
of solutions in viscose production. Khim. volok. no.2:39-42 '65.
(MIRA 18:6)

1. Institut avtomatiki Gosudarstvennogo komiteta po priborostroyeniye,
sredstvav avtomatizatsii i sistemam upravleniya pri Gosplane SSSR,
Kiyev.

YUSHCHENKO, A.M., DUBINSKI, I.F., GRABUSKO, G.V., SHAMAN, I.M.

Automatic control of moisture in tunnels depends on synthetic
fibers. Kiyev. volok. no. 2437 39 165. 1973, 13-14.

1. Institut av. nauki i nauko-uvchennya komitatu planu, 1974,
predstavu avtomaticheskuyu kontrol'nyy ustroystvo. SSSR,
Kiyev.

GRISHCHENKO, A.Z., kand. tekhn. nauk

International exhibition of laboratory equipment, measuring
devices and means of automation. Avtom. i prib. no.4:85-
90 O-D '63. (MIRA 16:12)

1. Institut avtomatiki Gosplana UkrSSR.

GRISHCHENKO, A.Z.; DUL'SKIY, B.F.; SAKHNENKO, O.V.; SHAMAN, O.M.

Automatic batching of titanium dioxide suspensions in the
process of continuous polymerization of caprolactam. Khim.
volok. no.1:57-60 '63. (MIRA 16:2)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.
(Azepinone) (Polymerization) (Titanium oxides)
(Automatic control)

GRISHCHENKO, A.Z.; DUL'SKIY, B.F.; SAKHNENKO, O.V.; SHAMAN, O.M.

Automatic regulation of the pressure of polycaprolactam in
a melt-conducting pipe. Khim.volok. no.1:53-56 '63.
(MIRA 16:2)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.
(Nylon) (Automatic control)

GRISHCHENKO, A.Z.; USENKO, K.V.; SAKHNENKO, O.V.

Dynamics of the automatic control of levels of polycaprolactam
in the NP apparatus. Khim.volok. no.3:67-69 '62. (MIRA 16:2)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.
(Nylon) (Automatic control)

GRISHCHENKO, A.Z.; BONDARENKO, G.L.; TARASENKO-ZELENAYA, L.N.; KORCHAK, A.N.

Automatic control of the concentration of alkali hydroxide
solutions. Khim.volok. no.2:49-52 '62. (MIRA 15:4)

1. Kiyevskiy institut avtomatiki Gosplana USSR.
(Alkalies) (Automatic control)

GRISHCHENKO, A.Z.; TARASENKO, A.V.; KHEMELEVSKIY, I.N.

Order apparatus for the control of the xanthation process, Khim.
volok. no.1:17-18 '62. (MIRA 18:4)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.

GRISHCHENKO, A.Z.; FEDOTOVA, L.M.; LYAPUNOVA, A.I.

Automatic control of the heat conditions in the mass mercerization
of cellulose in a continuous action apparatus. Khim. volok. no.1:
12-15 '62. (MIRA 18:4)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.

GRISHCHENKO, A.Z.; USENKO, K.V.; SHAMAN, O.M.

Automatic regulation of the level of caprolactam during continuous
polymerization. Khim. volok. no.1:10-11 '62. (MIRA 18:4)

1. Kiyevskiy institut avtomatiki Gosplana UkrSSR.

GRISHCHENKO, Anatoliy Zinov'yevich; PREDTECHENSKAYA, N.F., red.;
SHVARTSSHEYN, K.A., tekhn.red.

[Automation in the manufacture of synthetic fibers] Avto-
matizatsiia v proizvodstve khimicheskikh volokon. Kiev, Gos.
izd-vo tekhn. lit-ry USSR, 1962. 48 p. (MIRA 15:4)
(Textile fibers, Synthetic) (Automatic control)

GRISHCHENKO, A.Z.

Methods of calculating gas mains. Gaz. prom. 4 no.11:43-45
'59. (MIRA 13:2)
(Gas, Natural--Pipelines)

SOV/102-58-4-3/11
Control of the Output from a Compressor Station on a Main Gas Pipeline
conditions. (The servo operates in steps only).
There are 4 figures, and 2 tables.

ASSOCIATION: Instytut vykorystannya gazu AN URSR
(Gas Research Institute, Ac.Sc. Ukr.SSR)

SUBMITTED: April 10, 1958

Card 3/3

SOV/102-58-4-3/11

Control of the Output from a Compressor Station on a Main Gas Pipeline

Eqs (3) and (4); the equations are integrated by Sokolov's method, in which the approximation of Eq (5) is used, with the definitions immediately below. The solution is sought as a set of hyperbolic functions, or in the form of Eqs (11) and (12). Fig 1 shows some numerical results (the abscissa is in hours) obtained on various assumptions. The discussion in the second part deals with the actual conditions on the pipeline (the load fluctuates very little); conditions are such that the compressors do not need to be switched on and off automatically. It is sufficient to control the speed over a relatively small range; the calculations on p 31 relate to the cost of the automatic control as against the cost of service stall, and it is shown that a 20% saving will occur even under the most unfavourable circumstances. The system envisaged would have two-stage compression, with a servo compressor (automatic corrector) feeding the main compressor with gas at a nearly constant pressure. The rest of the paper deals with the equations governing this system; the figures (in which the time is always in hours) represent the pressure transients to be expected under various

Card
2/3

SOV/102-53-4-3/11

AUTHOR: Grishchenko, A.Z.

TITLE: Control of the Output from a Compressor Station on a Main Gas Pipeline

PERIODICAL: Avtomatika, 1958, Nr 4, pp 27-37 (UkrSSR)

ABSTRACT: Some experiments are reported for a servo pumping station on the Dashava-Kiyev main pipeline. The effects of switching the compressors off completely, and of merely changing the speed (output), are investigated separately (the compressors are intended to produce a constant output pressure). The first part of the paper (pp 27-30) deals with a theoretical study of the transient response of such a system when the pipeline is very long; an unfortunate point here is that the references have been left out, and as many of the equations and results are merely quoted, the paper loses much of its value. Eqs (1) are in relative terms, where ψ is the relative change in pressure, j is the relative change in gas demand, and u is the relative length of the pipe, $2a$ is the line loss coefficient, c is the speed of sound in the gas, F is the cross-section of the pipeline, p is the nominal gas pressure, G_{make} is the maximum gas demand (by weight) and g is the acceleration due to gravity. The initial conditions are

Card 1/3

GRISHCHENKO, A.Z.

Automatization of mainline compressor stations in the U.S.A.
Gaz. prom. no.3:58-59 Mr '58. (MIRA 11:3)
(United States--Gas, Natural--Pipelines)

GRISHCHENKO, A.Z. [Hryshchenko, A.Z.]

New automatic corrector for regulating the operation of a
compressor station. Visnyk AN URSR 2 no.7:56-60 Je '58.

(MIRA 11:9)

(Gas distribution)

GRISHCHENKO, A.Z.

GRISHCHENKO, A.Z.

Automatic control of output of mainline compressor stations. Gaz.
prom. no. 2:44-48 F '58. (MIRA 11:2)
(Gas, Natural--Pipelines) (Automatic control)

GRISHCHENKO, A. P.: Master Tech Sci -- (diss) "The automation of the compressor
stations of the main gas pipelines". Kiev, 1958. 16 pp (Vin Higher Educ
USSR, Kiev Order of Lenin Polytech Inst) 125 copies (Kl, No 7, 1959, 124)

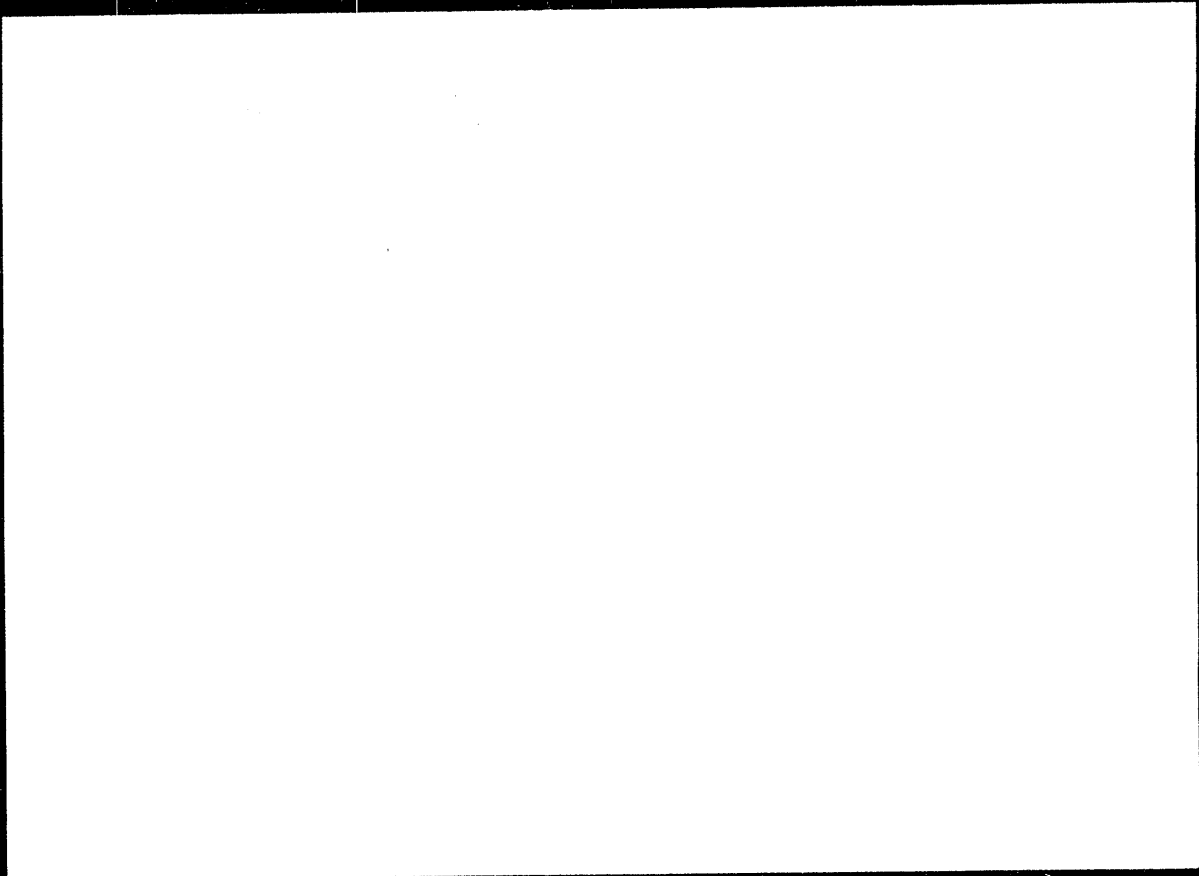
ILLEGIBLE

СОВЕТОВ, М.П., ГОЛАНДИНОВ, А.Я.; в "Мире", 1987.

Probation effect in women, *Journal of the American Academy of Psychiatry and Law*, 1987, 15(4), 301-308.

1. Kistebekis, in stated that women were more likely to be arrested.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900024-6



TSVETKOV, V.N.; GRISHCHENKO, A.Ye.; DE-MILLO, L.Ye.; ROSTOVSKIY, Ye.N.

Photoelastic effect in swollen polymers. Part 3: Polyvinyl acetate. Vysokom. soed. 6 no.3:384-388 Mr'64. (MIRA 17:5)

1. Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta.

TSVETKOV, V.N.; MITIN, Yu.V.; GLUSHENKOVA, V.R.; GRISHCHENKO, A.Ye.;
BOYTSOVA, N.N.; LYUBINA, S.Ya.

Electric and dynamic birefringence of poly - γ -benzyl-L-glutamate
solutions. Vysokom.sped. 5 no.3:453-459 Mr '83. (MIRA 16:3)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR i Fizicheskiy
institut Leningradskogo gosudarstvennogo universiteta.
(Glutamic acid--Optical properties) (Refraction, Double)

TSVETKOV, V.N.; BOYTSOVA, N.N.; GRISHCHENKO, A.Ye.

Study of the magnitude and orientation of birefringence in a
flow of polyisobutylene solutions. Vest. LGU 17 no.4:59-66 '62.
(MIRA 15:3)

(Propene--Optical properties)

DOLGOPOLOV, Ye.V. [Dolhopolov, YE.V.]; GRISHCHENKO, A.O.[Hryshchenko, A.O.]

Business accounting in the production combines (firms) of the
light industry. Leh. prom. no.4:33-36 O-D '64 (MIRA 18:1)

GRISHCHENKO, A.K., mekhanik

Using the 4030 crane on the "Belarus" tractor in laying communication lines. Suggested by A.K.Grishchenko. Stroi.truboprov. 6
no.11:27 N '61. (MIRA 15:4)

1. Montazhnoye upravleniye No.4 tresta No.8, Krasnodar.
(Cranes, derricks, etc.)

L 2613-65 EWT(d)/EWP(e)/EPA(s)-2/EWT(m)/EWP(w)/EPT(n)-2/EWA(d)/EWP(v)/EPA(w)-2/
EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l) Pf-1/Pab-10/Pt-10/Pu-1 WH/MJW/JD
ACCESSION NR: AR4043464 8/0277/63/000/011/0011/0011

SOURCE: Ref. zh. Mashinostr. mat., konstr. i raschet detal. mash. Otd. vy*p.,
Abs. 11.48.67

AUTHOR: Griashchenko, A. F.

TITLE: Resistance to wear of machine parts processed with a mineral-ceramic cut-
ting tool

CITED SOURCE: Tr. Khar'kovsk. politekhn. in-ta. v. 46, no. 8, 1963, 135-138

TOPIC TAGS: machine part, wear resistance, cutting tool, ceramic cutting tool

TRANSLATION: There was investigated the dependence of resistance to wear of parts
on the state (quality) of their surface. Samples of steel 45 and 20 were proces-
sed by a cutting tool with mineral-ceramic plates TsM-332 and hard-alloy plates
T15K6. Results of the investigations showed that a mineral-ceramic cutting tool
ensures lesser roughness of the surface and high resistance to wear for the part
than other cutting materials (hard alloys, high-speed cutting steels, etc.).

SUB CODE: MM, MT

ENCL: 00

(Card 1/1)

TINYAKOV, Georgiy Gavrilovich, prof.; BELIDUSOV, A.P., kand. khim. nauk, retsenzent; KOVALENKO, M.S., prof., retsenzent; GRISHCHENKO, A.D., dots., retsenzent; TVERDOKHLEB, G.V., dots., retsenzent; ALEKSEYEV, N.G., ass., retsenzent; KACHTOVA, L.A., ass., retsenzent; SERAYA, M.P., ispolnyayushchiy obyazannosti ass., retsenzent; KUSSOVA, O.N., red.; SOKOLOVA, I.A., tekhn. red.

[Microstructure of milk and milk products] Mikrostruktura moloka i molochnykh produktov. Moskva, Pishchepromizdat, 1963. 177 p. (MIRA 16:9)

1. Prepodavateli Leningradskogo tekhnologicheskogo instituta kholodil'noy promyshlennosti (for Kovalenko, Grishchenko, TverdokhleB, Alekseyev, Kachtova, Seraya).

(Dairy products--Analysis and examination)

GRISHCHENKO, A.D.

Mechanism of phase reversal in fat-rich creams. Izv. vys. ucheb.
zav.; pishch. tekhn. no.4:62-67 '61. (MIRA 14:8)

1. Leningradskiy tekhnologicheskoy institut kholodil'noy
promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov.
(Cream)

GRISHCHENKO, A.D.

Study of the flotation of fat globules in aerated creams; Izv.vys.
ucheb.zav.; pishch.tekh. no.4:44-50 '60. (MIRA 13:11)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promy-
shlennosti. Kafedra tekhnologii moloeka i molochnykh produktov.
(Cream) (Oils and fats) (Flotation)

GRISHCHENKO, A.D.

Investigation of the microstructure of foam in whipping cream.
Izv. vys. ucheb. zav.; pishch. tekhn. no. 3:48-52 '60. (MIRA 14:8)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti, Kafedra tekhnologii molo'a i molochnykh produktov.
(Cream)

GRISHCHENKO, A.D.

Studying foaming in cream. Izv. vys. ucheb. zav.; pishch.
tekhn. no.2:49-56 '60. (MIRA 14:7)

1. Leningradskiy tekhnologicheskii institut kholodil'noy
promyshlennosti, kafedra tekhnologii moloka i molochnykh
produktov.

(Butter) (Cream)

KAZANSKIY, Mikhail Mikhailovich; KOVALENKO, Mikhail Sergeyevich;
VOROB'YEV, Aleksandr Ivanovich, dotsent, kand.tekhn.nauk;
GRISHCHENKO, Aleksandr Dmitriyevich; KIVENKO, S.F., spetsred.;
IVANOVA, N.M., red.; KISINA, Ye.I., tekhn.red.

[Technology of milk and dairy products] Tekhnologiya moloka
i molochnykh produktov. Moskva, Pishchepromizdat, 1960. 440 p.
(MIRA 13:12)

(Dairy industry)

GRISHCHENKO, A.D.

Investigating the kinetics of the crystallization of butterfat triglycerides in cream. Izv.vys.ucheb.zav.; Pishch.tekh. no.5: 66-73 '59. (MIRA 13:4)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov. (Glycerides) (Butterfat)

GRISHCHENKO, A.D.

Effect of surface active agents on the kinetics of the conglomeration of fat globules. Izv.vys.ucheb.zav.; pishch.tekh. no.4:77-82 '59.
(MIRA 13:2)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti. Kafedra tekhnologii moloka i molochnykh produktov.

(Surface active agents) (Butter)

KUK, G.A.; GRISHCHENKO, A.D.

Criterion equations describing the whipping of cream. *Izv. vys. ucheb. zav.; pishch. tekhn. no. 6: 116-122 '58.* (MIRA 12:5)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti, Kafedra tekhnologii moloka i molochnykh produktov.
(Cream)

GRISHCHENKO, A.D.

Investigating the kinetics of the destabilization of high-butterfat cream during mixing. Izv.vys.ucheb.zav.; pishch.tekh. no.6:109-115 '58.
(MIRA 12:5)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti, Kafedra tekhnologii moloka i molochnykh produktov.
(Cream)

GRISHCHENKO, A.D.

GRISHENKO, A.D.

Investigation of the kinetics of destabilization of heavy cream during solidification. Izv.vys.ucheb.zav.;pishch.tekh. no.5: 124-128 '58.
(MIRA 11:12)

1. Leningradskiy tekhnologicheskij institut kholodil'noy promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov.
(Butterfat) (Cream)

GRISHCHENKO, A.D.; ZALASHKO, M.V.

Mechanical and structural characteristics of butter. Izv.vys.
ucheb.zav.; pishch.tekh. no.5:57-63 '58. (MIRA 11:12)

1. Leningradskiy tekhnologicheskoy institut kholodil'noy
promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov,
i Vsesoyuznyy nauchno-issledovatel'skiy institut maslodel'noy i
syrodel'noy promyshlennosti, biokhimicheskaya laboratoriya.
(Butter)

GRISHCHENKO, A.D.

Investigating kinetics of the aggregation of fat globules in the process of churning butter. Izv.vys.ucheb.zav.pishch.tekh. no.4: 116-122 '58. (MIRA 11:11)

1. Leningradskiy tekhnologicheskii institut khlodil'noy promyshlennosti, Kafedra tekhnologii moloka i molochnykh produktov.
(Butterfat) (Cohesion)

USSR/Microbiology. Antibiotics and Symbiosis. Anti-
biotics. -2

Abs Jour : Red Zhur - Biol., No 14, 1958, No 6230.

development of cell even with positive temper-
atures. -- L.S. 1958

Card : 2/2

USSR/Microbiology. Antibiosis and Symbiosis. Antibiotics F-2

Abstr Jour : Ref Zhur - Biol., No 14, 1958, No 6230

Author : Grishchenko A.D.

Inst : Leningrad Technological Institute of the Refrigeration Industry

Title : The Application of Antibiotics to Increase the Stability of Butter in Storage

Orig Pub : Tr. Leningr. tekhnol. in-t khlebopil'n. prom-sti, 1956, 10, 75-76

Abstract : The most lasting preservation of the original properties of butter was achieved by the addition of the fermentation extract of the fruit of the dog rose in a concentration of 2.1%, alcohol-purified concentrate 0.75%, and the crystalline glucoside fraction of flavone glycosides 0.25% with 0.097% ascorbic acid. Introduction of the compounds delays the appearance of decomposition, rancidity, acidification, and the

Card : 1/2

GRISHIN, A.D.

GRISHIN, A.D., kandidat tekhnicheskikh nauk; OVCHINIKOV, A.I., kandidat
tekhnicheskikh nauk; ZEMCHENKO, V.V., inzhener.

Production of sour cream from reconstituted cream Trudy VTIKH
1935-41 '55. (MIRA 10:9)

2. Kafedra tekhnologii moloka i molochnykh produktov i kafedra
biokhimi i mikrobiologii, Leningradskiy molochnyy zavod No.2.
(Cream) (Milk)

GRUBENHENKO, A. D.

The use of aglucone fractions of dog-rose fruit and aglucone fractions of dog-rose fruit in the production of butter. N. V. Novoselova, A. G. Kozlov, A. D. Grubenhenko, and P. P. Abramova (Rural Ind. Inst., Leningrad). *Trudy Leningrad. Tekhn. Inst. Khimich. Prom.* 9: 3-11 (1956).--Hyasins produced by enzymic degradation conditions and enzymes are not described) of dog-rose fruit, as well as their concentrates purified by treatment with HCl , and the aglucone fraction of flavone glycosides of the dog-rose fruit show marked antioxidant properties which are effective in preservation and storage of butter. The aglucone fractions are best used at 2.1% concn., the HCl concentrates at 0.5%, and the aglucone fraction at 0.25% (with addn. of 0.007% ascorbic acid) relative to wt. of butter. In all expts. a decided retardation of growth of acidity and rancidity took place. G. M. Kozlovskii

GRISHCHENKO, A.D., kand. tekhn. nauk, dots.

Changes in the structure of cream foam during whipping. Trudy
LTIKHP 5:88-93 '54. (MIRA 11:3)
(Foam) (Cream)

GILCHENKO, A., Decent

Butler

Kinetics of butler working, Koloch. proc. 14, No. 1, 1958.

Monthly List of Russian Accessions, Library of Congress, Dec. 1958, U.S.S.R.

24

12

Continuous operation of a buttermaking machine of type GLSh-1. A. Grishchenko, A. Lapshin, and V. Shuydov. *Molochnaya Prom.* 12, No. 5, 16-18(1951). - Complete description with diagrams of an automatic centrifugal-type butter churn of a vertical type capable of converting 35-40% cream into butter at the rate of 100 kg. per hr. is given. The churn proper is vertical and utilizes a rotating cylinder with baffles. G. M. Kosolapoff

CA

Aggregation of fat globules during cream churning.
A. Grishchenko (Leningrad Refrig. Milk Ind. Inst.).
Molokhnaya Prom. 11, No. 6, 34-6 (1959). The rate of
decrease of the no. of globules is proportional to their no.
The proportionality const. found experimentally is 0.00091.
i.e. the no. of globules decreases at the rate of 0.091% per
sec. G. M. Kosolapoff

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900024-6

GRISHCHENKO, A.

26431 Plavitel' masla. Moloch. Prom-st', 1949, No. 8, s. 14-16.

SO: LETOFIS' NO. 35, 1949

GRISHCHENKO, A., polkovnik

Man is glorified in labor. Voen. vest. 42 no.5:53-55 My '63.
(MIRA 16:5)

(Work) (Russia--Army)

GRISHCHENKO, A., polkovnik

On the road toward the stars. Komm.Vooruzh.Sil 2 no.18:46-50
S '62. (MIRA 15:8)

(Astronauts)

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 25535

reactive manifestations in the form of bulbs of growth and destructive changes were observed. In the cells of intramural ganglia of the stomach, dystrophic and necrobiotic changes were also noted. The intensity of changes of the intramural apparatus of the stomach was almost the same in the parts of the tumor as in the parts far from it. Analogous morphologic changes were discovered in sympathetic ganglia, most sharply expressed in the solar plexus. The described patho-morphologic changes in the nervous apparatus in carcinoma of the stomach cannot be considered as specific. -- A.A. Grushina

Card 2/2

- 33 -

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 25535

Author : Grishayeva, Yu.M.

Inst :
Title : Morphological Changes of the Nervous System in Carcinoma-
tous Affection of the Stomach.

Orig Pub : Sb. nauchn. rabot Kuybyshevsk. o-va patologo-anatomov s
sektseyey patofiziol. Kuybyshev, 1957, 107-111

Abstract : Structural changes of nervous apparatus of various struc-
tures were studied in carcinoma of the stomach. Preexis-
ting and newly-formed nerves were discovered in tumor
primarily in its peripheral parts, in the foci of necro-
sis they were not found. In the nerves of carcinoma of
the stomach, swelling and varicose distentions were noted
as well as their fragmentation up to full necrosis.
In the nerve fibers of the stomach wall far from the tumor

Card 1/2

GRISHAYEVA, Ye.N., inzh.; KUDRINA, S.A., kand.khimbicheskikh nauk;
ROZENTSVEYG, S.M., inzh.

Ceramic material with increased mechanical strength. Vest.
elektroprom. 33 no.4:73-76 Ap '62. (MIM 15:4)
(Electric insulators and insulation)

TURIAN, I.I. [Tur'yan, I. I.]; TIURIN, I.M. [Tyurin, Yu.M.]; JANTALAI,
B.P. [Zhantalay, B.P.]; GRISAEVA, S. P. [Grishayeva, S. P.]

Polarographic determination of caprolactam and amino acids,
intermediate products of synthetic fibers. Analele chimie 17
no.1:147-155 Ja-Mr '62.

YABLOKOVA, M.L.; RAYKHSHTAT, G.N.; TELESHEVSKAYA, E.A.; TOPOLYANSKAYA,
S.I.; GRISHAYEVA, N.A.

Seroprophylaxis for Botkin's disease in children's institutions.
Pediatrics 42 no.5:54-55 My'63 (MIRA 16:11)

1. Iz sanitarno-epidemiologicheskikh stantsiy Sverdlovskogo
Dzerzhinskogo, Kalininskogo, Zhdanovskogo rayonov Moskvy i Mos-
kovskogo instituta epidemiologii i mikrobiologii Ministerstva
zdravookhraneniya RSFSR.

*

STAROVEROVA, A. G., DOBROVSKAYA, V. I., and KODOL, I. M., and STAROVA, N. V.,
HOSOVA, A. G., and SHAYEVA, A. A.

Electrochemical synthesis of the polymers of the type of the
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STAROVEROVA, A.G.; BONDARENKO, M.P.; KON'KOVA, Ye.M.; KOVALEVA, M.F.;
NOSOVA, T.N.; GRISHAYEVA, N.A.

Effectiveness of the diphtheria component in a whooping
cough-diphtheria vaccine as evidenced by Schick's reaction.
Trudy IEMG no.8:177-181 '61. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii
i gigiyeny, Moskva (for Staroverova, Bondarenko). 2. Sanitarno-
epidemiologicheskaya stantsiya Baumanskogo rayona Moskvyy (for
Kon'kova). 3. Sanitarno-epidemiologicheskaya stantsiya Stalinskogo
rayona Moskvyy (for Kovaleva, Nosova). 4. Sanitarno-epidemiologicheskaya
stantsiya Zhdanovskogo rayona Moskvyy (for Grishayeva).

GRISHAYEVA, L.M.

Case of periodic disease. Kaz. med. zhur. no.5:77-78 S-0'63
(MIRA 16:12)

1. TSentral'naya bol'nitsa Kirovskogo rayona Kuybysheva-obl.
(glavnyy vrach - M.V. Terent'yev, nauchnyy rukovoditel' prof.
S.V. Shestakov).

L 16160-65

ACCESSION NR: AP4045003

to oil. Increasing the acid caused increased viscosity of the end product, thus lower yield of nitration products and increase of resinous matter. Optimal temperature was 50-95C. Temperatures above 120C increased the oxidizing properties of the nitrating agent, causing the formation of tar. Nitration with a mixture of equal amounts of 94% sulfuric and 60% nitric acid increased the yield of those nitration products which could be isolated from aqueous isopropyl alcohol. Advantages of the process are its continuity in the absence of an inflammable solvent and a 100% yield with respect to oil. On the basis of the nitrated oils a detergent-dispersant additive was obtained, the corrosion inhibitor AKOR (NG-106) which has high dispersant, neutralizing, anticorrosive and wetting properties. Orig. art. has: 6 tables and 2 figures.

ASSOCIATION: Moskovskiy zavod "Neftegaz" (Moscow factory "Neftegaz")

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC

NR REF SOV: 004

OTHER: 000

Cord 2/2

L 16160-65 EWT(m)/EPF(c)/T Pr-4 BSD/ASD(m)-3/ASD(p)-3 DJ
ACCESSION NR: AP4045003 S/0065/64/000/009/0033/0037.

AUTHORS: Dol'berg, A.L.; Grishayeva, A.S.

TITLE: Development of a nitration process of mineral oils ¹⁷ 8

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 9, 1964, 33-37

TOPIC TAGS: oil nitration, continuous oil nitration, nitric acid, sulfuric acid, optimal acid addition, optimal nitration temperature, corrosion inhibitor

ABSTRACT: Based on earlier work by the same authors, studies for a continuous process of mineral oil nitration are reported. Tests were conducted with the mineral oils AS-9.5, DS-8 and LS-11, nitrated with nitric acid of varying concentration or a mixture of nitric and sulfuric acid, at a 10-100% ratio to the oil and at various temperatures. The results are tabulated, the laboratory apparatus figured and the process schematically represented. Anticorrosive properties of the end products were determined by tests on steel lamellae. It was found that 50-80% nitric acid was required, the concentration depending upon the oil and the desired properties of the end product. Optimal results were obtained with a 30% acid addition with respect

Card 1/2

L 27275-65

ACCESSION NR: AP4009783

concentration and amount of acid used, nitration and oxidation increases simultaneously. With weaker nitric acid, the decrease strength increases the oxidizing action and causes formation of oil-insoluble products. Aromatic hydrocarbons in the oils form nitration and oxidation products on treatment with nitric acid of any concentration, but naphthenes and high molecular paraffins do not react. The aromatic and naphthenic hydrocarbons react with fuming nitric acid, but the high molecular weight paraffins do not. Orig. art. has: 8 tables and 2 equations.

ASSOCIATION: Moskovskiy zavod "Neftegaz" (Moscow Factory "Neftegaz")

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, FP

NR REF SOV: 004

OTHER: 004

Card 2/2

L 27275-65 EPF(c)/EPR/EWT(m) Pr-4/Ps-4 RPL BW/WW/JW
ACCESSION NR: AP4009783 S/0065/64/000/001/0027/0032

AUTHORS: Dol'berg, A. L.; Grishaveva, A. S.

TITLE: Nitration of mineral oils

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 1, 1964, 27-32

TOPIC TAGS: mineral oil nitration, AS-9.5 oil, DS-8 oil, DS-11 oil, anticorrosion additive preparation, deterative additive preparation, aromatic hydrocarbon nitration, aromatic hydrocarbon oxidation, naphthene nitration, nitrated oil additive, nitration

ABSTRACT: Selectively purified AS-9.5, DS-8 and DS-11 oils are suitable raw materials for nitrating to obtain oil-soluble products usable as anticorrosive and deterative additives. MS-20, AS-6.5 and spindle oil "3", selectively purified aromatics having unfavorable viscosities, form insolubles on nitration. Nitration is accompanied by oxidation regardless of the nitrating agent used with the extent of each reaction being dependent on the type of oil, acid concentration, and temperature. With strong nitric acids, by increasing the

Card 1/2